

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A method for ~~addressing~~ forming an address for locating an electronically accessible Audio/Video (AV) [[AV]] fragment of an AV resource over a network, to an arbitrary level of resolution, said AV resource being a member of a class of AV resources, wherein a logical model is associated with members of the class of AV resources; said method comprising steps of:

determining a URI network address for the AV resource;

applying the logical model to the AV resource to form a hierarchical representation of the AV resource including a representation of the AV fragment;

determining a fragment identifier for the fragment dependent upon the representation of the AV fragment by applying an addressing scheme to the fragment representation, said scheme including at least one of a time axis, a time function, a region axis, and a region function, for addressing temporal and spatial fragments of the AV resource; and

combining the URI network address and the fragment identifier to form a URI reference, being an address for the AV fragment.

2. to 3. (Canceled)

4. (Currently Amended) A method according to claim 1, wherein said addressing scheme is XPath based, ~~either one of claims 2 and 3, wherein said identifying step comprises a sub-step of:~~

~~applying an XPath based addressing scheme to the fragment identifier, said scheme including at least one of a time axis, a time function, a region axis, and a region function, for addressing temporal and spatial fragments of the AV resource.~~

5. (Currently Amended) A method according to ~~either one of claims 2 and 3~~ claim 1, wherein ~~[[the]]~~ a type of the AV resource includes at least one of (i) digital video, (ii) analog video, (iii) compact disc audio, (iv) analog audio, and (v) digital video disc.

6. (Currently Amended) A method for locating an electronically accessible Audio/Video (AV) [[AV]] fragment of an AV resource ~~over a network~~, to an arbitrary level of resolution, said AV resource being a member of a class of AV resources, wherein a logical model is associated with members of the class of AV resources; said method comprising steps of:

using a URI network address portion of a URI reference to locate the AV resource;

identifying (i) a type of the AV resource, and (ii) the logical model, dependent upon one of (a) the fragment identifier, (b) the URI, and (c) the fragment identifier ~~[[and]]~~ or the URI; and

applying an XPath based addressing scheme to the fragment identifier, said scheme including at least one of a time axis, a time function, a region axis, a region function, for addressing temporal and spatial fragments of the AV resource, thereby

locating the AV fragment.

7. (Original) A method according to claim 6, wherein the identifying step comprises;

identifying (i) the type of the AV resource, and (ii) the logical model, dependent upon the root of the fragment identifier.

8. (Original) A method according to claim 6, wherein the type of the AV resource includes at least one of (i) digital video, (ii) analog video, (iii) compact disc audio, (iv) analog audio, and (v) digital video disc.

9. (Currently Amended) A method for ~~addressing~~ forming an address for locating an electronically accessible Audio/Video (AV) [[AV]] fragment of an AV resource ~~over, said method comprising steps of:~~

~~determining a network, to an arbitrary level of resolution, said address for the AV resource being a member of a class of AV resources, wherein;~~

~~applying a logical model is associated with members of the class of AV resources, said method comprising steps of:~~

~~_____determining a URI network address for the AV resource;~~

~~applying the logical model to the AV resource to form a hierarchical representation of the AV resource including a representation of the AV fragment;~~

~~determining a fragment identifier for the fragment dependent upon the~~

representation of the AV fragment, ~~including a sub-step of identifying (i) a type of the AV resource, and (ii) the logical model, dependent upon one of (a) the fragment identifier, (b) the URI, and (iii) the fragment identifier and the URI, wherein said identifying~~ determining step comprises a sub-step of applying an ~~XPath-based~~ addressing scheme to the fragment identifier representation, said scheme including at least one of a time axis, a time function, a region axis, and a region function, for addressing temporal and spatial fragments of the AV resource; and

combining the [[URI]] network address and the fragment identifier to form a [[URI]] reference, being an address for locating the AV fragment.

10. (Currently Amended) An apparatus for ~~addressing~~ forming an AV ~~fragment of address for locating an electronically accessible Audio/Video (AV) fragment of an AV resource over a network~~, to an arbitrary level of resolution, said AV resource being a member of a class of AV resources, wherein a logical model is associated with members of the class of AV resources; said apparatus comprising:

first determining means for determining a URI network address for the AV resource;

applying means for applying the logical model to the AV resource to form a hierarchical representation of the AV resource including a representation of the AV fragment;

second determining means for determining a fragment identifier for the AV fragment dependent upon the representation of the AV fragment by applying an addressing

scheme to the fragment representation, said scheme including at least one of a time axis, a time function, a region axis, and a region function, for addressing temporal and spatial fragments of the AV resource; and

combining means for combining the URI network address and the fragment identifier to form a URI reference, being an address for locating the AV fragment.

11. to 12. (Canceled)

13. (Currently Amended) An apparatus according to claim 10, wherein said addressing scheme is Xpath based. ~~either one of claims 11 and 12, wherein said identifying means includes:-~~

~~—————applying means for applying an XPath-based addressing scheme to the fragment identifier, said scheme including at least one of a time axis, a time function, a region axis, and a region function, for addressing temporal and spatial fragments of the AV resource.~~

14. (Currently Amended) An apparatus according to claim 10 ~~either one of claims 11 and 12,~~ wherein ~~[[the]]~~ a type of the AV resource comprises at least one of (i) digital video, (ii) analog video, (iii) compact disc audio, (iv) analog audio, and (v) digital video disc.

15. (Currently Amended) An apparatus for addressing forming an

~~address for locating an electronically accessible Audio/Video (AV) [[AV]] fragment of an AV resource over a network, to an arbitrary level of resolution, said AV resource being a member of a class of AV resources, wherein a logical model is associated with members of the class of AV resources; said~~ said apparatus comprising:

first determining means for determining a [[URI]] network address for the AV resource;

first applying means for applying [[the]] a logical model to the AV resource to form a hierarchical representation of the AV resource including a representation of the AV fragment;

second determining means for determining a fragment identifier for the fragment dependent upon the representation of the AV fragment, ~~including identifying means for identifying (i) a type of the AV resource, and (ii) the logical model, dependent upon one of (a) the fragment identifier, (b) the URI, and (iii) the fragment identifier and the URI; wherein said identifying~~ determining means comprises second applying means for applying an ~~XPath-based~~ addressing scheme to the fragment ~~identifier representation~~, said scheme including at least one of a time axis, a time function, a region axis, and a region function, for addressing temporal and spatial fragments of the AV resource; and

combining means for combining the [[URI]] network address and the fragment identifier to form a [[URI]] reference, being an address for locating the AV fragment.

16. (Currently Amended) An apparatus for locating an electronically

accessible Audio/Video (AV) [[AV]] fragment of an AV resource~~over a network~~, to an arbitrary level of resolution, said AV resource being a member of a class of AV resources, wherein a logical model is associated with members of the class of AV resources; said apparatus comprising:

utilisation means for using a URI network address portion of a URI reference to locate the AV resource;

identifying means for identifying (i) a type of the AV resource, and (ii) the logical model, dependent upon one of (a) the fragment identifier, (b) the URI, [[and]] or (c) the fragment identifier and the URI; and

applying means for applying an XPath based addressing scheme to the fragment identifier, said scheme including at least one of a time axis, a time function, a region axis, and a region function, for addressing temporal and spatial fragments of the AV resource, thereby locating the AV fragment.

17. (Currently Amended) A computer readable memory medium for storing a program for apparatus for addressing forming an address for locating an electronically accessible Audio/Video(AV) [[AV]] fragment of an AV resource~~over a network~~ to an arbitrary level of resolution, said AV resource being a member of a class of AV resources, wherein a logical model is associated with members of the class of AV resources; said program comprising:

code for a first determining step for determining a URI network address for the AV resource;

code for an applying step for applying the logical model to the AV resource to form a hierarchical representation of the AV resource including a representation of the AV fragment;

code for a second determining step for determining a fragment identifier for the AV fragment dependent upon the representation of the AV fragment by applying an addressing scheme to the fragment representation, said scheme including at least one of a time axis, a time function, a region axis, and a region function, for addressing temporal and spatial fragments of the AV resource; and

code for a combining step for combining the URI network address and the fragment identifier to form a URI reference.

18. to 19. (Canceled)

20. (Currently Amended) A computer readable memory medium according to claim 17 ~~either of claims 18 and 19~~, wherein said addressing scheme is XPath based. ~~code for the identifying step includes:~~

~~code for an applying step for applying an XPath based addressing scheme to the fragment identifier, said scheme including at least one of a time axis, a time function, a region axis, and a region function, for addressing temporal and spatial fragments of the AV resource.~~

21. (Currently Amended) A computer readable memory medium

according to claim 17 ~~18 and 19~~, wherein the type of the resource comprises at least one of (i) digital video, (ii) analog video, (iii) compact disc audio, (iv) analog audio, and (v) digital video disc.

22. (Currently Amended) A computer readable memory medium for storing a program for apparatus for ~~addressing an AV fragment of an AV resource over a network, to an arbitrary level of resolution, said AV resource being a member of a class of AV resources, wherein a logical model is associated with members of the class~~ forming an address for locating an electronically accessible Audio/Video (AV) fragment of an AV resource; ~~resource~~, said program comprising:

code for a first determining step for determining a ~~[[URI]]~~ network address for the AV resource;

code for a first applying step for applying ~~[[the]]~~ a logical model to the AV resource to form a hierarchical representation of the AV resource including a representation of the AV fragment;

code for a second determining step for determining a fragment identifier for the fragment dependent upon the representation of the AV fragment, ~~including code for an identifying step for identifying (i) a type of the AV resource, and (ii) the logical model, dependent upon one of (a) the fragment identifier, (b) the URI, and (iii) the fragment identifier and the URI~~; wherein said code for the identifying determining step comprises code for a second applying step for applying an ~~XPath-based~~ addressing scheme to the fragment ~~identifier~~ representation, said scheme including at least one of a time axis, a time

function, a region axis, and a region function, for addressing temporal and spatial fragments of the AV resource; and

code for a combining step for combining the [[URI]] network address and the fragment identifier to form a [[URI]] reference, being an address for locating the AV fragment.

23. (Currently Amended) A computer readable memory medium for storing a program for apparatus for locating an electronically accessible Audio/Video (AV) [[AV]] fragment of an AV resource ~~over a network~~, to an arbitrary level of resolution, said AV resource being a member of a class of AV resources, wherein a logical model is associated with members of the class of AV resources; said program comprising:

code for a utilisation step for using a URI network address portion of a URI reference to locate the AV resource;

code for an identifying step for identifying (i) a type of the AV resource, and (ii) the logical model, dependent upon one of (a) the fragment identifier, (b) the URI, [[and]] or (c) the fragment identifier and the URI; and

code for an applying step for applying an XPath based addressing scheme to the fragment identifier, said scheme including at least one of a time axis, a time function, a region axis, and a region function, for addressing temporal and spatial fragments of the AV resource, thereby locating the AV fragment.